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## ACRONYMS

ACC	Antarctic Circumpolar Current	ET	Equatorial trough
ACE	NOAA's Accumulated Cyclone Energy Index	ETC	Extratropical cyclone
AEJ	African Easterly Jet	EWG	Environmental Working Group
AGGI	NOAA's Annual Greenhouse Gas Index	GCOS	Global Climate Observing System
ALT	Active layer thickness	GES	Goddard Earth Sciences
AMM	Atlantic Multidecadal Mode	GHA	Greater Horn of Africa
AMO	Atlantic Multidecadal Oscillation	GHCN	Global Historical Climatology Network
AO	Arctic Oscillation	GHG	Greenhouse gas
AOD	Aerosol optical depth	GIA	Glacial isostatic adjustment
ASO	August–September–October	GISS	NASA's Goddard Institute of Space Studies
ATLAS	Autonomous Temperature Line Acquisition System	GLOSS	Global Sea Level Observing System
AVHRR	Advanced Very High Resolution Radiometer	GMD	Global Monitoring Division
AVISO	Archiving, Validating, and Interpretation of Satellite Oceanographic data	GPCC	Global Precipitation Climatology Centre
BC	British Columbia	GRACE	Gravity Recovery and Climate Experiment
BGOS	Beaufort Gyre Observing System	H	Hurricane
Br	Bromine	HadAT2	Hadley Centre gridded free-atmosphere temperatures from radiosondes dataset
CAMS	Climate Anomaly Monitoring System	HadCRUT3	Hadley Centre/CRU gridded monthly temperatures dataset
CET	Central England Temperature	HCFC	Hydrochlorofluorocarbon
CFC	Chlorofluorocarbon	HFC	Hydrofluorocarbon
CFC-11	Trichlorofluoromethane	hPa	Hectopascal (1 mb)
CFC-12	Dichlorodifluoromethane	HTC	Hurricanes/typhoons/cyclones
CH <sub>4</sub>	Methane	HURDAT	Atlantic Hurricane Database
Cl	Chlorine	IGRA	Integrated Global Radiosonde Archive
CLIVAR	Climate Variability and Predictability	INPO	International Network of Permafrost Observatories
CIO	Chlorine monoxide	IOD	Indian Ocean Dipole
CO	Carbon monoxide	IPCC	Intergovernmental Panel on Climate Change
CO <sub>2</sub>	Carbon dioxide	IPCC AR4	IPCC Fourth Assessment report (due to be published in 2007)
CPC	Climate Prediction Center	IPCC FAR	IPCC First Assessment Report (published in 1996)
CRU	Climate Research Unit	IPY	International Polar Year
DIC	Dissolved inorganic carbon	IR	Infrared
DISC	Data and Information Services Center	ITCZ	Intertropical convergence zone
DJF	December–January–February	JAMSTEC	Japan Agency for Marine–Earth Science and Technology
DU	Dobson units	JASO	July–August–September–October
DWBC	Deep western boundary current	J-CAD	JAMSTEC Compact Arctic Drifter
EASE	Equal-Area Scalable Earth	JGOFS	Joint Global Ocean Flux Study
ECL	Equivalent chlorine	JJA	June–July–August
EECL	Effective equivalent chlorine	JMA	Japanese Meteorological Agency
EESC	Effective equivalent stratospheric chlorine	JTWC	U.S. Navy's Joint Typhoon Warning Center
ENP	Eastern North Pacific (basin)	LHF	Latent heat flux
ENSO	El Niño–Southern Oscillation		
EOF	Empirical orthogonal function		
ESRL	Earth System Research Laboratory		

LS	Lower stratosphere	OBPG	Ocean Biology Processing Group
LT	Lower troposphere	ODGI	Ozone Depleting Gas Index
MAM	March–April–May	ODS	Ozone-depleting substance
MCC	Mesoscale convective complex	OH	Hydroxide anion
MDR	Main Development Region	OHCA	Ocean Heat Content Anomaly
MEI	Multivariate ENSO Index	OI	Optimal interpolation
MH	Major hurricane	OLR	Outgoing longwave radiation
MJO	Madden–Julian oscillation	OMI	Ozone Monitoring Instrument
MLO	Mauna Loa Observatory	OPI	OLR precipitation index
MLS	Microwave Limb Sounder	PATMOS (-x)	Pathfinder Atmospheres (Extended Product)
MOC	Meridional overturning current	pCO <sub>2</sub>	Carbon dioxide partial pressure
MODIS	Moderate Resolution Imaging Spectroradiometer	PDO	Pacific Decadal Oscillation
MPI	Maximum potential intensity	PDSI	Palmer Drought Severity Index
MSU	Microwave Sounding Unit	Pg	Petagram (1015 g)
MT	Midtroposphere	PNA	Pacific–North American pattern
MTC	Major tropical cyclone	PPB	Parts per billion
N <sub>2</sub> O	Nitrous oxide	PPBV	Parts per billion by volume
NAM	Northern Annular Mode	PPM	Parts per million
NAO	North Atlantic Oscillation	PPT	Parts per trillion
NARR	North American Regional Reanalysis	PSC	Polar stratospheric cloud
NASA	National Aeronautics and Space Administration	PSS	Practical salinity scale
NBC	North Brazil Current	QBO	Quasibiennial oscillation
NCAR	National Center for Atmospheric Research	QuikSCAT	Quick Scatterometer
NCDC	National Climatic Data Center	QSCAT	QuikSCAT satellite
NCEP	National Center for Environmental Prediction	RAOBCORE	Radiosonde Observation Correction
NDVI	Normalized Difference Vegetation Index	RATPAC	Radiosonde Atmospheric
NESIS	Northeast Snowfall Impact Scale	RMB	Temperature Products for Assessing Climate
NH	Northern Hemisphere	RPCA	Renminbi
NHC	National Hurricane Center	RSL	Rotated principal component analysis
NIFC	National Interagency Fire Center	RSS	Relative sea level
NIO	Northern Indian Ocean	SAM	Remote Sensing Systems
NN2	NOAA/NWS/NCEP/DOE Reanalysis II	SCA	Southern Hemisphere Annular Mode
NO	Nitric oxide	SCE	Snow-covered area
NOAA	National Oceanic and Atmospheric Administration	SCS	Snow cover extent
NOMADS	National Operational Model Archive and Distribution System	SeaWiFS	South China Sea
NPEO	North Pole Environmental Observatory	SEC	Sea-viewing Wide Field of View
NS	Named storm	SF <sub>6</sub>	South Equatorial Current
NSIDC	National Snow and Ice Data Center	SH	Sulfur hexafluoride
NSW	New South Wales, Australia	SHF	Southern Hemisphere
NWS	National Weather Service	SIO	Sensible heat flux
O <sub>3</sub>	Ozone	SITCZ	Southern Indian Ocean
OAFlux	Objectively Analyzed Air–Sea Fluxes	SLA	Southern intertropical convergence zone
		SLE	Sea level anomaly
		SLP	Sea level equivalent
		SMN	Sea level pressure
		SON	Mexico's National Meteorological Service
			September–October–November

SPCZ	South Pacific convergence zone	UAH	University of Alabama Huntsville
SPI	Standardized Precipitation Index	UKMO	Met Office
SSM/I	Special Sensor Microwave Imager	UMD	University of Maryland
SSS	Sea surface salinity	USD	U.S. dollars (2006)
SST	Sea surface temperature	USDA	U.S. Department of Agriculture
Sv	Sverdrups ( $1 \text{ Sv} \equiv 10^6 \text{ m}^3 \text{ s}^{-1}$ )	WBC	Western boundary current
SWI	Summer warmth index	WHOI	Woods Hole Oceanographic Institute
TC	Tropical cyclone	WMO	World Meteorological Organization
TD	Tropical depression		World Ocean Atlas
TOMS	Total Ozone Mapping Spectrometer	WOA	World Ocean Circulation Experiment
TRMM	Tropical Rainfall Measuring Mission	WOCE	West Pacific (teleconnection pattern)
TS	Tropical storm	WP	West Pacific Ocean
TSP	Thermal state of permafrost		
TY	Typhoon	WPO	